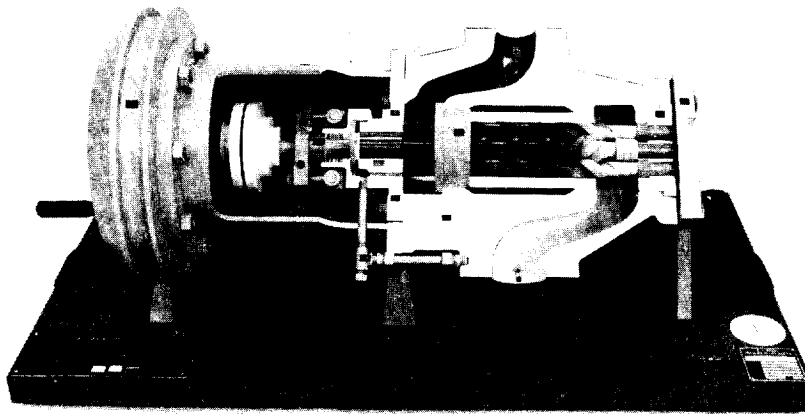


DIRECTORY OF NAVAL TRAINING DEVICES



AVIATION LUBE OIL PUMP, OPERABLE MOCK-UP TRAINING AID, DEVICE 2H89

TRAINING CATEGORY:

AVIATION (Misc).

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION OF DEVICE:

Device 2H89 is unclassified.

INTENDED USE:

Device 2H89 provides instructional support for personnel training in the maintenance of aviation lube oil service pumps installed on board aircraft carriers. It will be used in a classroom with a small group of students.

To aid in the instruction on the interrelationship of component parts of and the construction and principles of operation of the Aviation Lube Oil Pump.

FUNCTIONAL DESCRIPTION:

Device 2H89 is a cutaway, operable mockup of the pump, mounted horizontally on cradle supports. The demonstrator consists of two major parts: the mockup of the pump, and a base mount to support it.

The device is designed to be operated by one instructor using a manual control.

The cutaway area reveals the power rotor, two idler rotors, and cavities of the pump housing. The handwheel, located at the left end of the device, activates the motor shaft, power rotor, and two idler rotors.

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Changes in oil pressure within the pump housing cavities are represented by color, blending from yellow for low pressure to orange for high pressure.

PHYSICAL INFORMATION:

Device 2H89 is shipped as a single unit. It measures 16 inches high, 12 inches wide, and 36 inches long, and weighs 68 pounds.

The device is mounted on a table base, which enables it to be used on a desk top.

PUBLICATIONS FURNISHED

Instructor's Guide for Operable Mockup, Aviation Lube Oil Pump, Device 2H89, NAVSO P-3195(U).

PERSONNEL:

Instructors: One, qualified to teach the operation of the single stage, positive displacement, rotary, screw type pump.

Trainees: Class of approximately 15.

CONTRACT IDENTIFICATION:

Manufactured by Ben Lorenz Associates, Inc., 200 Park Avenue, New York, N.Y., under NAVTRAEQUIPCEN Contract No. N61339-66-C-0125.

LOCAL STOCK NUMBER:

6910-LL-C00-1150